

**In the Claims:**

**Claims 1-71 (canceled).**

**Claim 72 (previously presented):** An imager cell comprising:

a photoreceptor, wherein the photoreceptor comprises a photogate;

a sense node; and

a pinned transfer gate formed by an implanted P type region within an implanted N type transfer region, the implanted P type region being pinned to a potential of a P type substrate, wherein the P type substrate surrounds the N type transfer region, and wherein the transfer gate is disposed to transfer charge between the photoreceptor and the sense node.

**Claim 73 (previously presented):** An imager cell comprising:

a photoreceptor, wherein the photoreceptor comprises a photodiode;

a sense node; and

a pinned transfer gate formed by an implanted P type region within an implanted N type transfer region, the implanted P type region being pinned to a potential of a P type substrate, wherein the P type substrate surrounds the N type transfer region, and wherein the transfer gate is disposed to transfer charge between the photoreceptor and the sense node.

**Claim 74 (previously presented):** An imager cell comprising:

- a photoreceptor;
- a sense node;
- a reset transistor disposed to reset the sense node; and
- a pinned transfer gate formed by an implanted P type region within an implanted N type transfer region, the implanted P type region being pinned to a potential of a P type substrate, wherein the P type substrate surrounds the N type transfer region, and wherein the transfer gate is disposed to transfer charge between the photoreceptor and the sense node.

**Claim 75 (previously presented):** An imager cell comprising:

- a photoreceptor;
- a sense node;
- an output amplifier coupled to the sense node; and
- a pinned transfer gate formed by an implanted P type region within an implanted N type transfer region, the implanted P type region being pinned to a potential of a P type substrate, wherein the P type substrate surrounds the N type transfer region, and wherein the transfer gate is disposed to transfer charge between the photoreceptor and the sense node.

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**Claim 76 (previously presented):** An imager cell as defined in claim 75, wherein the output amplifier is a source follower amplifier.